Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**Homework: Proofs in the PARCC**

STEP ONE: Complete the multiple-choice problem.



STEP TWO: For each line below, circle A, B, C, or D and complete the sentence.

\* I eliminated A B C D because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* I eliminated A B C D because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

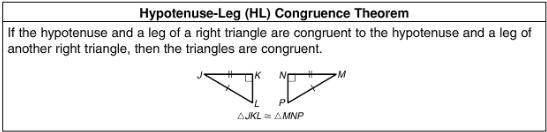
\* I eliminated A B C D because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* I chose A B C D because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STEP THREE:

1. Are you familiar with the Hypotenuse-Leg Theorem?
2. Did you have to know it to correctly answer the multiple-choice problem? Why or why not?

Here it the Hypotenuse-Leg Theorem



But it looks like SSA, and that does NOT prove triangles congruent!

Yes, so this is only true for RIGHT TRIANGLES! There MUST be a right angle.